



# User Value: Comparisons Between Data-Mapped and Non-Mapped T1D Exchange Quality Improvement Portal Users

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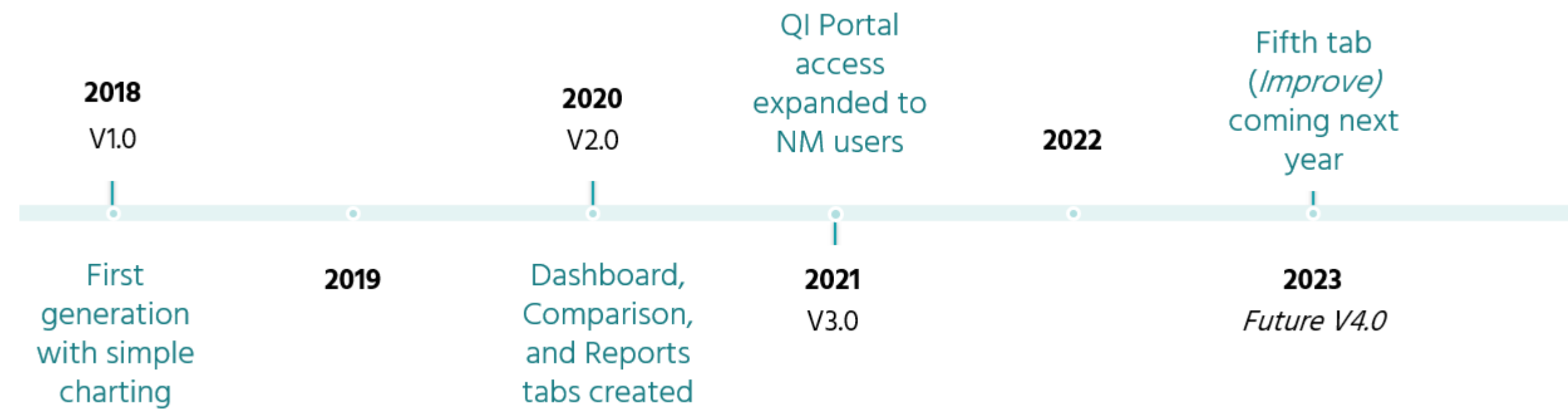
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## Overview

The T1D Exchange (T1DX-QI) QI Portal is an EMR-based data platform that allows users to:

- Clearly view a summary of center outcomes (“Dashboard” tab);
- Visually display center-to-center benchmarking (“Compare” tab);
- Chart center-specific outcomes and trends (“Report” tab); and
- Download and review QI case studies, change packages, and tools (“Library” tab).

Figure 1: QI Portal Development Timeline



Prior to November 2021, only data-mapped (DM) users (users from centers that had completed data mapping and were now sending regular data submissions) had access to the QI Portal. With the release of version 3.0, non-mapped (NM) users were invited to access a limited version of the QI Portal to support best practice sharing and learning.

Figure 2: Differences in QI Portal features for DM and NM users

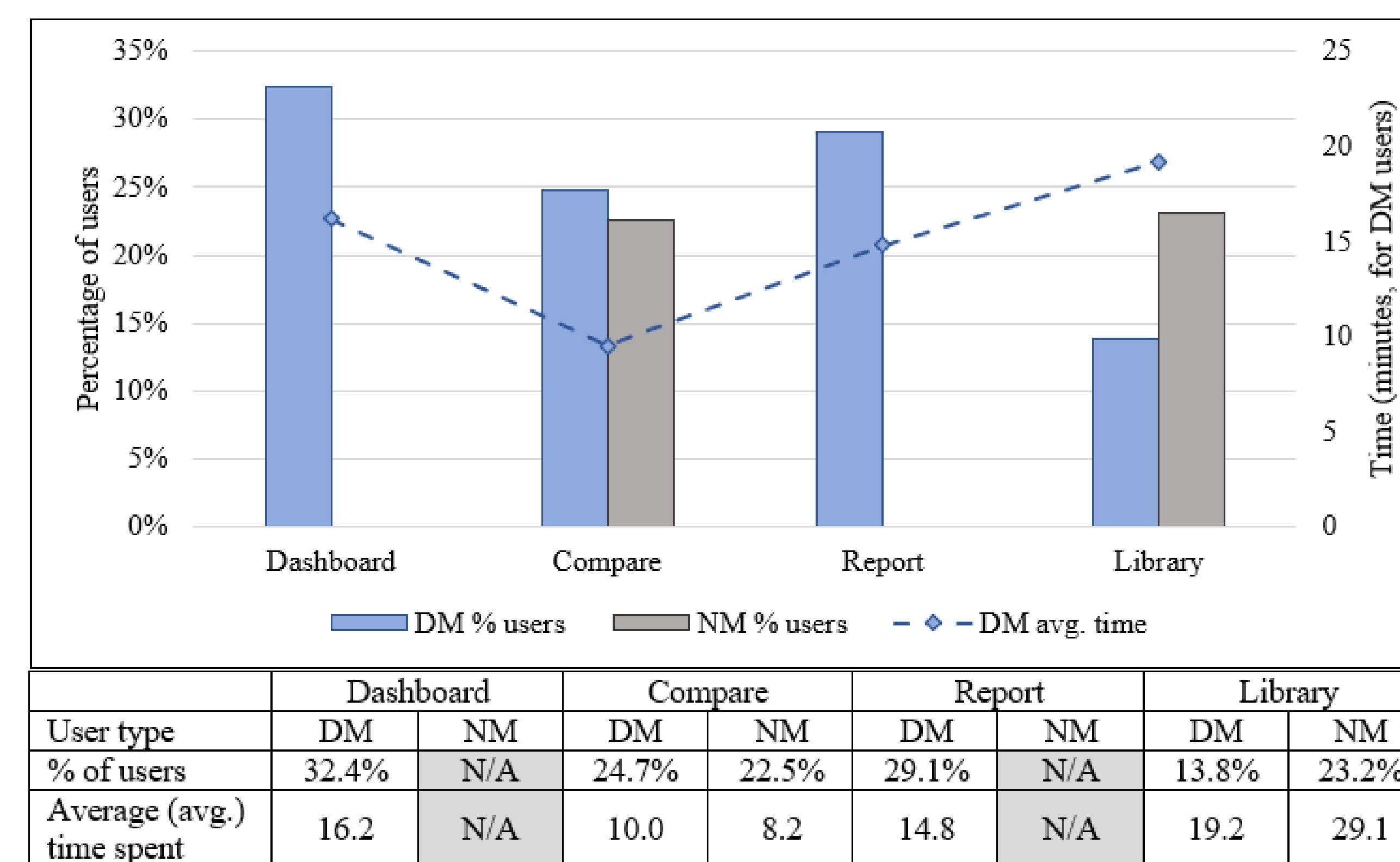
	DASHBOARD	COMPARE	REPORT	LIBRARY
<b>Features</b>	Overview of center outcomes	Center-to-center benchmarking	Center-specific outcome charting	QI case studies, change packages, and QI tools
<b>DM Users</b>	Full access	Full access	Full access	Full access
<b>NM Users</b>	Unavailable until data mapping is completed	Full access	Unavailable until data mapping is completed	Full access

## Methods

The purpose of this study was to determine differences in QI Portal use between DM and NM users. We included returning users (excluding first-time users) as a measure of value-based interaction with the QI Portal. The number of returning users per month and average time spent in each of the four QI Portal tabs between November 2021 and August 2022 were tracked using Google Analytics and analyzed visually (below).

## Results

Figure 3: Percentage of users and time spent (minutes) by QI Portal Tab



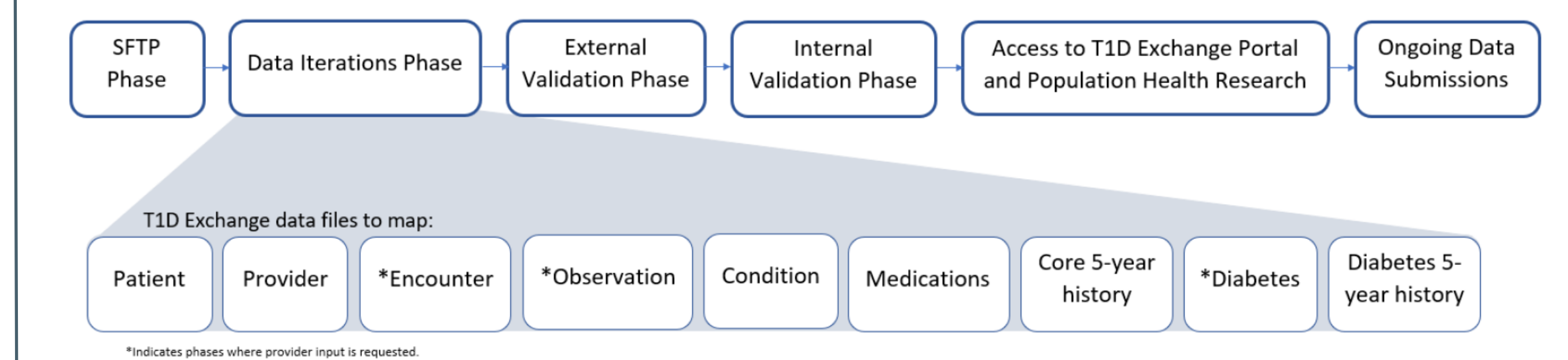
These results demonstrate that:

- Apart from the Library tab, DM users spend on average more time on applicable tabs than NM users;
- DM and NM users returned to the Compare tab at similar rates; NM users returned to the Library tab nearly twice as often and spent twice as much time as DM users; and
- Both DM and NM users spend the most time on the Library tab; DM users spend the least amount of time on the Compare tab.

## Discussion

The QI Portal is valuable for both NM and DM users. However, the value increases once a center completes the comprehensive data-mapping process.

Figure 4: T1DX-QI Data Mapping Process



## Conclusion

These results indicate that there is value in endocrinology centers having access to chart and share real-world data outcomes and best practices.

Future considerations are to determine:

- If any functionality is available for NM users on the Dashboard and Report tabs;
- If there are temporal or other trends in use for both DM and NM users;
- Additional opportunities for value-added to the QI Portal user experience.

## Acknowledgements

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